

Trilliant™ HC HC5210-0020 RS Gray

Polypropylene Homopolymer

PolyOne Corporation

Message:

Trilliant™ HC HC5210-0020 RS Gray is a Polypropylene Homopolymer (PP Homopolymer) product filled with 20% filler and glass fiber. It can be processed by injection molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Applications of Trilliant™ HC HC5210-0020 RS Gray include medical/healthcare and food contact applications.

Characteristics include:

- Flame Rated
- Chemically Coupled
- Homopolymer

General Information			
UL YellowCard	E76261-101515866		
Filler / Reinforcement	Filler,20% Filler by Weight Glass Fiber		
Features	Chemically Coupled Homopolymer Specialty Grade		
Uses	Disposable Hospital Goods Hospital Goods Medical Device Housings Medical/Healthcare Applications		
Agency Ratings	FDA Unspecified Rating		
Appearance	Grey		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Specific Volume	0.961	cm ³ /g	ASTM D792
Molding Shrinkage - Flow	0.10 to 0.30	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	55.2	MPa	ASTM D638
Tensile Elongation ² (Break)	3.0	%	ASTM D638
Flexural Modulus	3520	MPa	ASTM D790
Flexural Strength	90.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact (23°C, 3.18 mm, Injection Molded)	69	J/m	ASTM D256A
Unnotched Izod Impact ³ (23°C, 3.18 mm)	310	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 3.18 mm)	157	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
0.750 mm	HB		
1.50 mm	HB		
3.00 mm	HB		
NOTE			
1.	Type I, 51 mm/min		
2.	Type I, 51 mm/min		
3.	Injection Molded		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

